

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Venkat EswarluTangirala et al.

Group Art Unit:

Serial No.:

Examiner:

Filed:

For TWO-STAGE PULSE DETONATION SYSTEM

INFORMATION DISCLOSURE STATEMENT

- ☒ 1 **Pursuant to 37CFR 1.97(b)**
[within 3 months of national, non-CPA filing or prior to 1st Office Action] *no charge*
- ☐ 2 **Certification Pursuant to 37 CFR 1.97(c)(1)**
[before Final Office Action, Allowance, or other action closing prosecution] *no charge*
- ☐ 3 **Fee Payment Pursuant to 37 CFR 1.97(c)(2)**
[before Final Office Action, Allowance, or other action closing prosecution] *\$180.00*
- ☐ 4 **Certification & Fee Payment Pursuant to 37 CFR 1.97(d)**
[On or before issue fee payment] *\$180.00*

ATTN: BOX PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The following are submitted in the above application in compliance with 37 CFR 1.97 and 37 CFR 1.98:

- ☒ 5 A list of documents on form PTO-1449 or Substitute together with copies of each identified document and a translation thereof or a concise explanation of each non-English language document or a Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty or document(s) cited in the application or the priority application.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date indicated below.

Date of Deposit_____
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This paper is submitted in accordance with:

- ☒ 6 37 CFR 1.97(b): [within 3 months of national, non-CPA filing or prior to 1st Office Action]
- ☐ 7 37 CFR 1.97(c): [before Final Office Action, Allowance, or other action closing prosecution, whichever is earlier]; and
- ☐ 8 The required Certification made in item 11 below; or
- ☐ 9 The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 15 below.
- ☐ 10 37 CFR 1.97(d): [on or before issue fee payment]; and
- a) The required Certification is stated in item 11 below; and
- b) The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.
- ☐ 11 Certification
- ☐ 12 Each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of this Statement; or
- ☐ 13 No item contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this document after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing date of this Statement.
- ☒ 14 Payment of all applicable fees:
- ☒ 15 Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 07-0868

An original and two (2) copies of this document are enclosed.

Respectfully submitted,

12-5-03

Date

General Electric Company
CRD Patent Docket Rm 4A59
P.O. Box 8, Bldg. K-1
Schenectady, New York 12301
Customer Number: 006147

Penny A. Clarke

Attorney Penny A. Clarke

Registration No. 46,627

Phone: (518) 387-5349

or (518) 387-7122

FORM PTO-1449
(REV. 7-80)
(Title Amended 3/83)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

130677-1

SERIAL NO.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT--
LIST OF ITEMS

Applicant

Venkat Eswarlu Tangirala et al.

Filing Date

Group

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA 6 4 7 7 8 2 9	11/12/02	Hunter et al.			
	AB 6 3 4 9 5 3 8	02/26/02	Hunter Jr., et al.			
	AC 6 3 4 9 5 0 3	08/27/02	Winfree et al.			
	AD 6 5 0 5 4 6 2	01/14/03	Meholic			
	AE 6 5 1 6 6 0 5	02/11/03	Meholic			
	AF 5 8 7 3 2 4 0	02/23/99	Bussing et al.			
	AG 5 9 3 7 6 3 5	08/17/99	Winfree et al.			
	AH 6 4 4 2 9 3 0	09/03/02	Butler et al.			
	AI 6 5 5 0 2 3 5	04/22/03	Butler et al.			
	AJ 5 6 9 4 7 6 8	12/09/97	Johnson et al.			
	AK 5 5 1 3 4 8 9	05/07/96	Bussing			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	No
	AL 8 7 0 6 9 7 6	05/14/87	PCT				
	AM 2 0 4 6 0 7 9	09/18/70	DE				
	AN						
	AO						
	AP						

OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)

AR	Baker et al., "Pulse Detonation Bypass Engine Propulsion Pod:, US Patent Application Publication, Pub. No.: US 2002/0166318 A1, Pub. Date: November 14, 2002.
AS	Baker, "Propulsion Module:, US Patent Application Publication, Pub. No.: US 2003/0029162 A1, Pub. Date: February 13, 2003.
AT	Hunter, Jr., "Mapp Gas Fuel for Flight Vehicles Having Pulse Detonation Engines and Method Of Use:, US Patent Application Publication, Pub. No.: US 2003/0029161 A1, Pub. Date: February 13, 2003.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449
(REV. 7-80)
(Title Amended 3/83)

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	BA					
	BB					
	BC					
	BD					
	BE					
	BF					
	BG					
	BH					
	BI					
	BJ					
	BK					

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						YES	No
	BL						
	BM						
	BN						
	BO						
	BP						

OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)

BR	European Search Report, "Application Number EP 01 30 3058, Place of Search "MUnich", July 26, 2001, Examiner P. Acton, pages 14.
BS	Butler et al., "Combined Cycle Pulse Detonation Turbine Engine," Ser. No. 10/328,679 GE Docket 13DV413343-6, Filed December 23, 2002.
BT	L. Butler et al., "Combined Cycle Pulse Detonation Turbine Engine", Statement of Relevance, Ser. No. 10/328,679, GE Docket 13DV13343-6, Filed July 21, 2003.

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